

ABSTRACT OF THE DISCLOSURE

A PROGRAM ANALYSIS TOOL PRESENTING OBJECT CONTAINMENT AND TEMPORAL FLOW INFORMATION

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The present invention provides a method, apparatus, and computer instructions for program analysis. In an exemplary embodiment, a target program is loaded onto a data processing system including a program analysis software component. Hierarchies in the form of control flow and containment
10 information about the target program are determined, using either static or dynamic, and direct (e.g., instrumented profilers) or indirect (e.g., monitored runtime), processing techniques, depending on the application and program analysis tool being used. The control flow and object containment information are then presented in a related and selected format for consideration by a user.
15 One embodiment includes a program and GUI (graphical user interface) operably providing control flow-annotated object containment hierarchies to a user, the hierarchies including control flow, allocation and storage information added to object containment information.